WELCOME TO MANHATTAN

Manhattan is one of the best places to travel via cycling, with various organizations creating programs to encourage switching to bikes. This location is also highly varied in economic status.

Do these two topics correlate?

WHY OUR DATASETS?

Goal: We wish to visually see how often eco-friendly transportation (biking) appears based on the income of the tracts within Manhattan.

- Median Income – medium annual houshold income (2014-15) of children now in their mid 30s. We joined Opportunity Atlas household income data to 2020 Manhattan census tracts.
- Bike Routes – NYC DOT's records of the current and historic network of designated bicycle routes and facilities.
- Bike Parking – locations of all bike parking throughout the five boroughs.
- Bridges – New York State DOT's inventory of bridges. Bridges that have bike routes may imply something about income, as there would be less cars required to cross the bridge.
- Tourist Locations – Custom made dataset with six popular tourist sites. More tourism usually means a higher amount of people, leading to more bikes and a higher income.

LET'S LOOK AT THE MAP!

Download our Map on our GitHub!

https://github.com/mcneilkimberly/Manhattan-Interactive-GIS-Story-Map

(Dowload the code as a zip, extract, and open index.html in your browser)

WHAT DOES THIS MAP TELL US?

More Income, More Bike Routes

More Income, More Tourism

More Income, More Bike Parking

Bridges do not Seem to Correlate

From our map, we could visually see how the areas south of central park generally have a greater amount of income. This higher income and popular historic and business locations leads to a higher population and tourism. This vast increase in people and traffic (along with the romantisism of riding a bike in New York City), leads to the increase necessity for a way to easily travel. This results in bikes, bike trails, and bike parking.

We could not visually find anything to verify our earlier claim about bridges.

THANK YOU ALL
for listening

DATA SOURCES

- Median Income – Opportunity Atlas (New York County): https://opportunityatlas.org and 2020 Manhattan census tracts: https://www.nyc.gov/content/planning/pages/resources/datasets/census-tracts
- Bike Routes – https://data.cityofnewyork.us/dataset/New-York-City-Bike-Routes-Map-/9e2b-mctv
- Bike Parking – https://data.cityofnewyork.us/Transportation/Bicycle-Parking-Map-/bzg2-2abf
- Bridges – https://data.gis.ny.gov/datasets/9e038774ef034c7cae5374f3e23f7a67_0/about?layer=0
- DCM Area Lines (DCM.shp and DCM_StreetCenterLine were the only ones used) – https://www.nyc.gov/content/planning/pages/resources/datasets/digital-city-map
- OpenStreetMap – recieved in class when learning about custom datasets